

RAW SEQUENCE LISTING

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Application Serial Number: 10/031, 158 B
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Date Processed by STIC: 11/21/2005

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RAW SEQUENCE LISTING

DATE: 11/21/2005

PATENT APPLICATION: US/10/031,158B

TIME: 09:58:29

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\11212005\J031158B.raw

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3 <110> APPLICANT: Pastan, Ira
4     Essand, Magnus
5     Lee, Byungkook
6     Vasmatzis, George
7     Wolfgang, Curt
8     The Government of the United States of America
9     as represented by the Secretary of the
10    Department of Health and Human Services
12 <120> TITLE OF INVENTION: T-Cell Receptor Gamma Alternate Reading Frame Protein,
13    (TARP) and Uses Thereof
15 <130> FILE REFERENCE: 4239-61854-01
17 <140> CURRENT APPLICATION NUMBER: 10/031,158B
18 <141> CURRENT FILING DATE: 2002-01-11
20 <150> PRIOR APPLICATION NUMBER: PCT/US00/19039
21 <151> PRIOR FILING DATE: 2000-07-12
23 <150> PRIOR APPLICATION NUMBER: US 60/157,471
24 <151> PRIOR FILING DATE: 1999-10-01
26 <150> PRIOR APPLICATION NUMBER: US 60/143,560
27 <151> PRIOR FILING DATE: 1999-07-13
29 <160> NUMBER OF SEQ ID NOS: 33
31 <170> SOFTWARE: PatentIn Ver. 2.1
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 27
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
41 <400> SEQUENCE: 1
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45 <210> SEQ ID NO: 2
46 <211> LENGTH: 27
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
53 <400> SEQUENCE: 2
54 agtactaaaa cgctgtcaaa aacagcc 27
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 24
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer

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65 <400> SEQUENCE: 3
66 ttggacttgg attatcaaaa gtgg                24
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72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
77 <400> SEQUENCE: 4
78 ttgggcagtt ggaacaacct gaaa                24
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 28
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
89 <400> SEQUENCE: 5
90 gataaacaac ttgatgcaga tggtttccc          28
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 28
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
101 <400> SEQUENCE: 6
102 gggaaacatc tgcataagt tggtttatc          28
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 27
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
113 <400> SEQUENCE: 7
114 ctggagcttt gtttcagcaa ttgaagg           27
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 27
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
125 <400> SEQUENCE: 8
126 ctcaagaaga caaaggtatg ttccagc           27
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 25
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
137 <400> SEQUENCE: 9

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138 ttatgatttc tctccattgc agcag 25
141 <210> SEQ ID NO: 10
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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
149 <400> SEQUENCE: 10
150 gaagttacta tgagcttagt ccctt 25
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 24
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
161 <400> SEQUENCE: 11
162 aagctttgtt ccgggaccaa atac 24
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 24
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
173 <400> SEQUENCE: 12
174 tacctgtgac aacaagtgtt gttc 24
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 1027
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: CDS
184 <222> LOCATION: (74)..(247)
185 <223> OTHER INFORMATION: Coding region for PS-TCR gamma 1 polypeptide
186 (TARP)
188 <220> FEATURE:
189 <221> NAME/KEY: CDS
190 <222> LOCATION: (247)..(579)
191 <223> OTHER INFORMATION: Coding region for PS-TCR gamma 2 polypeptide (deduced amino
192 acid sequence not displayed along with DNA sequence, due to
193 overlapping CDS's)
196 <400> SEQUENCE: 13
197 gggcaagagt tgggcaaaaa aatcaaggta tttggtcccg gaacaaagct tatcattaca 60
199 gataaacaac ttg atg cag atg ttt ccc cca agc cca cta ttt ttc ttc 109
200 Met Gln Met Phe Pro Pro Ser Pro Leu Phe Phe Phe
201 1 5 10
203 ctt caa ttg ctg aaa caa agc tcc aga agg ctg gaa cat acc ttt gtc 157
204 Leu Gln Leu Leu Lys Gln Ser Ser Arg Arg Leu Glu His Thr Phe Val
205 15 20 25
207 ttc ttg aga aat ttt tcc ctg atg tta tta aga tac att ggc aag aaa 205

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208 Phe Leu Arg Asn Phe Ser Leu Met Leu Leu Arg Tyr Ile Gly Lys Lys
209      30                      35                      40
211 aga aga gca aca cga ttc tgg gat ccc agg agg gga aca cca      247
212 Arg Arg Ala Thr Arg Phe Trp Asp Pro Arg Arg Gly Thr Pro
213  45                      50                      55
215 tgaagactaa cgacacatac atgaaattta gctgggttaac ggtgccagaa aagtcactgg 307
217 acaaagaaca cagatgtatc gtcagacatg agaataataa aaacggagtt gatcaagaaa 367
219 ttatctttcc tccaataaag acggatgtca tcacaatgga tcccaaagac aattgttcaa 427
221 aagatgcaaa tgatacacta ctgctgcagc tcacaaacac ctctgcatat tacatgtacc 487
223 tcctcctgct cctcaagagt gtggtctatt ttgccatcat cacctgctgt ctgcttagaa 547
225 gaacggcttt ctgctgcaat ggagagaaat cataacagac ggtggcacaa ggaggccatc 607
227 ttttcctcat cggttattgt ccctagaagc gtcttctgag gatctagttg ggctttcttt 667
229 ctggggttgg gccatttcag ttctcatgtg tgtactattc tatcattatt gtataacggg 727
231 tttcaaacca gtgggcacac agagaacctc actctgtaat aacaatgagg aatagccacg 787
233 gcgatctcca gcaccaatct ctccatgttt tccacagctc ctccagccaa cccaaatagc 847
235 gcctgctata gtgtagacat cctgcggctt ctagccttgt ccctctctta gtgttcttta 907
237 atcagataac tgccctggaag cctttcattt tacacgccct gaagcagtct tctttgctag 967
239 ttgaattatg tgggtgtgtt ttccgtaata agcaaaataa atttaaaaaa atgaaaagtt 1027
242 <210> SEQ ID NO: 14
243 <211> LENGTH: 58
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 14
248 Met Gln Met Phe Pro Pro Ser Pro Leu Phe Phe Phe Leu Gln Leu Leu
249  1                      5                      10                      15
251 Lys Gln Ser Ser Arg Arg Leu Glu His Thr Phe Val Phe Leu Arg Asn
252      20                      25                      30
254 Phe Ser Leu Met Leu Leu Arg Tyr Ile Gly Lys Lys Arg Arg Ala Thr
255      35                      40                      45
257 Arg Phe Trp Asp Pro Arg Arg Gly Thr Pro
258  50                      55
261 <210> SEQ ID NO: 15
262 <211> LENGTH: 111
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 15
267 Met Lys Thr Asn Asp Thr Tyr Met Lys Phe Ser Trp Leu Thr Val Pro
268  1                      5                      10                      15
270 Glu Lys Ser Leu Asp Lys Glu His Arg Cys Ile Val Arg His Glu Asn
271      20                      25                      30
273 Asn Lys Asn Gly Val Asp Gln Glu Ile Ile Phe Pro Pro Ile Lys Thr
274      35                      40                      45
276 Asp Val Ile Thr Met Asp Pro Lys Asp Asn Cys Ser Lys Asp Ala Asn
277      50                      55                      60
279 Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr Ser Ala Tyr Tyr Met Tyr
280  65                      70                      75                      80
282 Leu Leu Leu Leu Leu Lys Ser Val Val Tyr Phe Ala Ile Ile Thr Cys
283      85                      90                      95
285 Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys Asn Gly Glu Lys Ser

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286          100          105          110
289 <210> SEQ ID NO: 16
290 <211> LENGTH: 16
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo sapiens
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Partial amino acid sequence of TARP (residues
296     42-57)
298 <400> SEQUENCE: 16
299 Gly Lys Lys Arg Arg Ala Thr Arg Phe Trp Asp Pro Arg Arg Gly Thr
300   1             5             10             15
303 <210> SEQ ID NO: 17
304 <211> LENGTH: 16
305 <212> TYPE: PRT
306 <213> ORGANISM: Dictyostelium discoideum
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Partial amino acid sequence of Tup1 (dTup,
310     residues 521-536)
312 <400> SEQUENCE: 17
313 Gly Ser Lys Asp Arg Ser Val Gln Phe Trp Asp Pro Arg Asn Gly Thr
314   1             5             10             15
317 <210> SEQ ID NO: 18
318 <211> LENGTH: 16
319 <212> TYPE: PRT
320 <213> ORGANISM: Saccharomyces cerevisiae
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Partial amino acid sequence of Tup1 (yTup1,
324     residues 626-660)
326 <400> SEQUENCE: 18
327 Gly Ser Lys Asp Arg Gly Val Leu Phe Trp Asp Lys Lys Ser Gly Asn
328   1             5             10             15
331 <210> SEQ ID NO: 19
332 <211> LENGTH: 41
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
339 <400> SEQUENCE: 19
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341                                     41
343 <210> SEQ ID NO: 20
344 <211> LENGTH: 39
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
351 <400> SEQUENCE: 20
352 gggcttgggg gaaacatctg tatcaagttg tttatctgt
353                                     39
355 <210> SEQ ID NO: 21
356 <211> LENGTH: 36

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VERIFICATION SUMMARY

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